INFORMATION DISCLOSURE CITATION		ATTY. DOCKE	T NO.	SERIAL NO.			
		5595-2 APPLICANT		10/511,317	0/511,317		
(Use s	several sheets if necessary)	SHAUNA FILING DATE	K et al	GROUP			
		May 31, 2	005	1614	514		
			NT DOCUMENTS				
*EXAMINER							3 DATE
<u>INITIAL</u>	DOCUMENT NUMBER 5338532	DATE 8/1994	NAME Tomalia et al	CLASS	SUBCLASS T	<u>IF APPR</u> I	<u>OPRIATI</u>
	5527524	6/1994	Tomalia et al				
	5560929	10/1996	Hedstrand et al				
	5714166	2/1998	Tomalia et al				
	6177414	1/2001	Tomalia et al				
	6190650 6312679	2/2001 11/2001	Matthews et al Tomalia et al				
	US2003/0114418	6/2003	Pulaski et al				
	US2003/0114418 US2010/0173871	7/2010	Poupot et al				
	082010/01/38/1	7/2010	Poupot et ai				
		FORFIGN PA	TENT DOCUMENTS		1		
		TORLIONTA	TENT DOGGINENTO			TRANS	SLATION
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	WO 88/01178	2/1988	PCT				
	WO 91/11172	8/1991	PCT				
	WO 94/02518	2/1994	PCT				
	WO 95/34595	12/1995	PCT				
	WO 95/24221	9/1995	PCT				
	WO 98/55148	12/1998	PCT				
	WO98/56353	12/1998	PCT				
	WO 02/00196	1/2002	PCT				
	WO 03/089010	10/2003	PCT				
	WO2007/082331	7/2007	PCT				
	WO2007/048190	5/2007	PCT				
	WO2007/045009	4/2007	PCT				
	WO2007/045010	4/2007	PCT				
	WO2008/017122	2/2008	PCT				
	WO 2008/017125	2/2008	PCT				
	WO 2009/103123	8/2009	PCT				
	WO2009/004639	1/20009	PCT				
			Author, Title, Date, Pertin				
	C	*	ceut Sci 5(2):181-184, 2002 S	Single Dose Pharma	cokinetics and	nd Bioava	ailabilit
	of Glucosamine in the R		25. 507 (0) W1111.	:	D -1 C41	L _ 4!	
	environment in regenera		35: 597 – 606, Wound healin	g versus regenerau	on: Role of the	ne ussue	
			974 – 984, Synthesis of glyco	dendrimers by mo	dification of 1	oolv(pror	ovlene
	imine) dendrimers		> 0., Symmesis of gryoo	denominate of mov		ory (brot	<i>- J</i> 10110
		e Chem. 2007, 18 6	51-76, Site-Specific PEGylation	on of Protein Disul	fide Bonds U	sing a Tl	hree-
			: 437-449, In vitro model of a	angiogenesis using	human endo	thelium d	lerived
*Examiner			Date Considered				
Examiner: Initial i	f reference considered, whether or with next communication to applica		nance with MPEP 609; draw line throu	ugh citation if not in confo	ormance and not	considered	. Initial a

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO.	SERIAL NO.			
		5595-2	10/511,3	17		
		APPLICANT	,			
		SHAUNAK et al				
(Use s	everal sheets if necessary)	FILING DATE	TC/A.U.			
		May 31, 2005	1614			
	Design at al. The Melecul	on Immun alogy of Commlay Con	obriduotos O Editou Win Vin	A so dome o /Dlaman		
		ar Immunology of Complex Carl ross-Linking Interactions with M		iwer Academic/Plenum		
		2006;3 No 5, 614-627, Cationic				
				y of Human Septic Shock Plasma		
				Major Functional Deactivator of		
	Human Monocytes					
		ws Microbiology Vol 8 January 2	2010, The molecular basis of	the host response to		
	lipopolysaccharide			-		
		OPHTHALMOLOGY VOLUM		UGUST 2000, The Role of the		
		nctival Wound Healing After Gla				
		SOC 2004, 126, 10044-10048,		Acute in Vivo Toxicity of		
		amine, Candidate Vehicles for D				
		Chemistry 2008; 73(6): 2357 – 2	, ,			
				h a Single Chromatographic Step		
		Vol. 344, No. 12 March 22, 200	I, CYTOKINE PATHWAY:	S AND JOINT		
		EUMATOID ARTHRITIS	42 748 Dialogical applicati	and of dandwinsons		
		n in Chemical Biology 2002, 6:7 we Opthamology and Visual Scie				
		w Glaucoma Anti-Scarring Ager		1 And-Transforming Growth		
		EWS DRUG DISCOVERY VOL		THE DAWNING ERA OF		
	POLYMER THERAPEUT		ONIE 2 WITT 2003 3 17 00,	THE BITWING ENERGY		
			Y Vol. 277, No. 38, pp. 354	89–35495, 2002, Involvement of		
		2 and TLR4 in Cell Activation by				
				e and glucosamine incorporation		
	into tissue repair cells by p					
				Chemokine Expression Serves as		
		Leukocyte Recruitment During I				
		g Delivery Reviews 61 (2009) 1		s: Preclinical safety and the		
		design and development of poly		. 11 1		
		nal of Leukocyte Biology Volum				
		ology Today 1995 16(9) 449-57	High endothelial venules (F	IEVs): specialized endothelium		
-	for lymphocyte migration	27–930, December 27, 2002, Patt	om Paganitian Pagantars: I	Doubling Up for the Innote		
	Immune Response	7–930, December 27, 2002, Pau	em Recognition Receptors: 1	Doubling Op for the finate		
	•	006;8:2293-2295, A Divergent F	oute to Diversity in Macrom	polecule		
		Rapid Commun. 2010; 31: 947 –				
	dendrimers.	Tapa Commun. 2010, 31. 317	y i, ravances in the elegan	de of chemistry in designing		
		1999;162;3749-3752, Cutting E	dge: Toll-Like Receptor 4 (T	LR4)-Deficient Mice Are		
		lysaccharide: Evidence for TLR		,		
		Chemical Physics 124, 204719-1		erimin) dendrimer from fully		
	atomistic molecular dynan	nics simulation and by small ang	e x-ray scattering	•		
	Jansen JFGA, Science 18 1	November 1994: Vol. 266. no. 51	88, pp. 1226 – 1229, Encaps	ulation of guest molecules into a		
	dendritic Box					
		ahedron 62 (2006) 9582-9588, S	thesis of large generation po	oly(propyl ehter imine) (PETIM)		
	dendrimers	1	T			
*E			ata Canaidanad			
*Examiner		D	ate Considered			

INFOR	MATION DISCLOSURE	ATTY. DOCKET NO.	SERIAL NO.			
	CITATION	5595-2	10/511,317			
		APPLICANT	,			
		SHAUNAK et al				
(Use	e several sheets if necessary)	FILING DATE	TC/A.U.			
		Max 21 2005				
		May 31, 2005	1614			
	I1- D. I	1 - £M - 1: -1 M:1: -1 207	(2007) 252 2(2 Charachanal Dialama falla I DC			
			(2007) 353-363, Structural Biology of the LPS recognition			
			10, October 2003, Engineering of Dendrimer Surfaces to			
		ransport and Reduce Cytotoxicity	1 f M. D00 in 1 1 1 DC . i 11 in .			
			d for MyD88-independent LPS signalling			
		actions through Toll-Like Receptor	n Endogenous Pathway to Systemic Inflammatory Respons			
-			AM couples endocytosis of Toll-like receptor 4 to the			
	induction of interferon-bet		And couples endocytosis of Ton-like receptor 4 to the			
			78, Paterrn of Cytokine Responses to Gram-Positive and			
			when Monocytes Differentiate into Dendritic Cells			
			ts of intraoperative 5-fluorouracil or mitomycin C on			
	glaucoma filtration surger		is of induoperative a fractional of indomposit e of			
-			703, Averting inflammation by targeting the cytokine			
	environment		,			
		al Pharmacology 65 2003 173-9, 0	Oversulfation of fucoidan enhances its anti-angiogenic and			
	antitumor activities					
	Krishna T et al, J. Org Cho	em 2003, 68, 9694-9704, Synthesi	s of Poly(propyl ether imine) Dendrimers and Evaluation of			
	Their Cytotoxic Properties	3	,			
_	Krishna T et al, Tetrahedro	on 2005; 61: 4281 – 4288, Synthes	sis and biological evaluation of 3-amino-propanol-1-ol bas			
	poly(ether imine) dendrim					
			ober 1988 1589-1598, Role of Laminin and Basement			
			Indothelial Cells into Capillary-like Structures			
			ion and characterization of covalently bonded biopolymer-			
	polypyrrole hybrid materia		007.040.36			
			: 937-948, Microtubule disruption stimulates DNA synthe			
		s and potentiates cellular responses	ectrophoretic Behaviour of Anionic Triazine in PAMAM			
	Dendrimers	iecules 2009; 42: 3132 – 3161, Ele	ectrophoretic Benaviour of Amonic Triazine in PAMAM			
		ecules 2000: 42: 6723 6732 Mi	micking PAMAM Dendrimers with Amphoteric, Hybrid			
	Triazine Dendrimers	tecures 2009, 42. 0723 = 0732, Wil	inicking I AMAWI Dendriniers with Amphoteric, rryorid			
		g Res 1985:17:179-185 Collagen	and Glycosaminoglycan Synthesis of Injured Gastrocnemi			
	Muscle in Rat	g nes 1703,17.177 103, conagon	and dryvosammogrycan by muesis or injured dustroenem			
		RNAL OF BIOLOGICAL CHEMIS	TRY Vol. 276, No. 21, pp. 17920–17931, 2001, Profiling			
			uration of Monocyte-derived Dendritic Cells Using Both			
	Oligonucleotide Microarra	2	Ç			
	Li et al, J. Immunol. 2003,	170;3369-3376, IL-8 Directly Enl	nanced Endothelial Cell Survival, Proliferation, and Matrix			
	Metalloproteinases Produc	tion and Regulated Angiogenesis				
		;12:1148, Synthesis of Odd Gener	ation Triazine Dendrimers Using a Divergent Macromonor			
	Approach					
			, Biological Assessment of Triazine Dendrimer			
			TRY Vol. 275, No. 32, pp. 24653–24660, 2000			
			actor-induced Mitogenicity and Angiogenesis			
			: Relationship between structure and biocompatibility in			
	vitro, and preliminary stud	lies on the biodistribution of 125I-	labelled polyamidoamine dendrimers in vivo			
	1					
*Examiner		Da	te Considered			

	SERIAL NO.			
5595-2	10/511,317			
APPLICANT	,			
SHAUNAK et al				
FILING DATE	TC/A.U.			
May 31, 2005	1614			
T - F1 1000 27 2754 2704				
nem. Int. Ed. 1998, 37, 2754-2794, Itivalent Ligands and Inhibitors	Polyvalent Interactions in Biological Systems: Implications			
	August 2003, Vol. 44, No. 8 3394-401, Evaluation of Anti-			
w Postoperative Anti-scarring Age				
	ated Ionic Interactions between Lipid A and TLR4 Are			
ivation	r			
	Dendrimer-based drug and imaging conjugates: design			
considerations for nanomedical applications				
harm 2004;281:129-132, In vitro a	and in viv evalutation of a melamine dendrimer as a vehicle			
	362, Chemistry of micelle series 22 cascade polymer			
	dritic macromolecules based on admanate			
	; 30: 3247-3255, Host variation in cytokine responses to			
ne severity of invasive group A stronger	CHEMICAL SOCIETY, vol. 8, no. 5, 1 Sept 1997 714-723,			
	INOSYLATED STARBURST POLY(AMIDOAMINE)			
SGIEZIE I KOI EKTIES OF WITH	NOSTEXTED STANDONST TOET (ANIDOMININE)			
9: 458: 1191 – 1195. The structural	basis of lipopolysaccharide recognition by the TLR4-MD-2			
,				
2003;171;1473-1483, Injury Prim	nes the Innate Immune System for Enhanced Toll-Like			
	<u> </u>			
	n myocardial dysfunction of meningococcal septic shock			
	cute Inflammation Causes Epithelial Invasion and Mucosal			
al Shigellosis				
	, Engineering Materials for Regenerative Medicine			
	Vol. 273, No. 36, pp. 22936–22942, 1998, Heparan Sulfate			
	asic Fibroblast Growth Factor Mitogenic Activity			
	n in acute shigellosis is correlated to disease activity and			
to plasma	1. 30, 53-65 (1996), Preliminary biological evaluation of			
Λ) StarburstTM dendrimers	50, 55-05 (1990), Fremilinary biological evaluation of			
urrent Chemistry 217 2001, Glycodendrimers				
	241-274, Recent developments in the rational design of			
es	211 271, Recent developments in the fational design of			
	nterleukin-1 in the Pathogenesis of Experimental Shigellosis			
	per, 2000, Crystal Structure of a Ternary FGF-FGFR-Heparin			
Role for Heparin in FGFR Binding				
rmacol. 1989 Nov;41(11):781-4, I	Biocompatibility of wound management products: the effect			
	99-725, Absorption, distribution, metabolism and excretion			
	ption, distribution and excretion of radioactivity after a single			
stration of [14C] glucosamine to t	ne rat.			
ć	es on L929 and 2002 fibroblast cell imittelforschung. 2001 Sep;51(9):6 review.			

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO.	SE	RIAL NO.		
		5595-2	10	0/511,317		
		APPLICANT		,		
		SHAUNAK et al				
(Use se	everal sheets if necessary)	FILING DATE		:/A.U.		
		May 31 2005	14	14		
		11ay 51, 2005	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	the evaluation of biocomposite trazolium-based colorime Shaunak S et al, Nature Bitissue formation Shaunak et al, Nat. Cheme therapeutic proteins Shipley et al, Comparative Cynomolgu Monkeys Siriwardena et al, Ophthali β2 Monoclonal Antibody—Clinical Study Simanek E et al, Proc. R. Stargets and applications Simanek E, Molecular Phas Slivka PF et al, 1ChemBio Smiley et al, The Journal of Secretion Through Toll-Lis Spinks et al, J Neurophysis Monkeys: A Solution Using Svenson S et al, Adv Drug Sweeney et al, BLOOD, I levels of SDF-1 in monkey Takaoka A et al, Nature 20 receptors Takeuchi et al, Immunity, Gram-Negative and Gram-Termeer et al, J. Exp. Med Dendritic Cells via Toll-lil Thornton et al, ANTIMIC Sarcoma and Antiangiogen Tomalia DA et al, (1990) A control of size, shape, surf Tsutsumiuchi et al, Polyme "sugar balls" IV. Synthesis Tumpey T M, J Virol 1998 Development of Blinding Turnbull WB et al, Review VAN DUIJVENBODE ET of carboxylated-functional Viriyakosol S et al, J. Biol	atibility of soluble synthe etric assay (MTT) as a protechnology 2004; 22: 97 Bio. Vol 2 No. 6 June 200 E Medicine Vol 60 No. 1 Implies the Medicine Vol 60 No. 1 Implies Volume 109, Number 109, 109, 109, 109, 109, 109, 109, 109,	SCIENCE: MATERIALS In the polymers which have peliminary screen for evalual 77 – 985, Polyvalent dendrice of 312-313, Site Specific February 2010, A Challeng of 312-313, Site Specific February 2010, A Challeng of 31445 – 1468, The 8 year to 3145 – 1468, The 9	the TLR4-MD2 Interaction Stimulates Macrophage Chemokine In Recording From Awake, Behaving Idical applications-reflections on the field I, Sulfated polysaccharides increase plasma ogenitor cells induction programme activated by Toll-like Is of TLR2 and TLR4 in Recognition of Oligosaccharides of Hyaluronan Activate I 1999, p. 2528–2533, Anti-Kaposi's I 75, Starburst dendrimers: molecular level o macroscopic matter. Globular carbohydrate macromolecule on sites on periphery I tory Protein-1alpha Precvents the I Design and synthesis of glycodendrimers. I Design and synthesis and protonation behavior I D 2 binds to bacterial lipopolysaccharide.		
	Vogte F et al, Dendrimer o	chemistry – concepts, syn	thesis, properties and appli	cations. 2009 Publisher Wiley. Chapter 8:		
	Special properties and potential Republic Von der Lieth-Wet al. Rev			2, Chapter 1, pages 1 - 22 337, Molecular dynamics simulations of		
	glycoclusters and glycoder					
*Examiner			Date Considered			

INFORMATION DISCLOSURE	ATTY. DOCKET NO.	SERIAL NO.		
CITATION	5595-2	10/511,317		
	APPLICANT	·		
	SHAUNAK et al			
(Use several sheets if necessary)	FILING DATE	TC/A.U.		
	May 31, 2005	1614		
1 1 9 1	2000, 275, 20260-20267, Chemoki Staphylococcus aureus, Peptidogly	nes Are the Main Proinflammatory Mediators in Human can and Endotoxin		
Wells A P, Opthalmology	b Formation and Related Complications in Limbus versis ult Trabeculectomy with Mitomycin C			
	05;307:1313, Optimization of Viulence Functions Through Glucosylation of Shigella LPS			
1 1 2	486-3491, Practical Synthesis of St -Lectin Binding Properties	l Synthesis of Starburst PAMA alpha-thiosialodendrimers for Probing roperties		
	2006;177:4002-4011, Role of N-A Bacteria in Targeting the DC-SIC	cetylglucosamine within Core Lipopolysaccharide of Severa (CD209)		
	Zloh et al, Nature Protocols 2007 Vol 2 No 5 page 1070-1083, Identification and insertion of 3-carbon bridges in disulfide bonds: a computational approach			
	ature Reviews Drug Discovery 200	02; 1: 797 – 807, Toll-like receptors as potential therapeutic		

*Examiner	Date Considered	